CLAIMS

1. A variable displacement swash plate type compressor, wherein a swash plate is coupled to a drive shaft to be rotatable integrally with the drive shaft, pistons are coupled to the swash plate via shoes, rotation of the drive shaft rotates the swash plate, which causes the pistons to reciprocate and compress gas, and the displacement is changed by varying the inclination angle of the swash plate, the compressor being **characterized by:**

an inclined surface provided at part of the entire outer circumferential edge portion of the swash plate.

2. The compressor according to claim 1, **characterized in that** part of the outer circumferential edge portion of the swash plate corresponding to the piston located at the top dead center position is provided with the inclined surface on a salient corner opposite to the piston.

3. The compressor according to claim 1 or 2, **characterized in that** part of the outer circumferential edge portion of the swash plate corresponding to the piston located at the bottom dead center position is provided with the inclined surface on a salient corner toward the piston.

4. The compressor according to any one of claims 1 to 3, **characterized in that** the swash plate includes a first swash plate, which is coupled to the drive shaft to be rotatable integrally with the drive shaft, and a second swash plate supported by the first swash plate, the pistons are coupled to the first and second swash plates via first shoes, which abut against the first swash plate, and second shoes, which abut against the second swash plate and receive a reaction force of compression, and part of the outer

circumferential edge of the first swash plate corresponding to the piston located at the top dead center position is provided with the inclined surface on a salient corner opposite to the second swash plate.

5. The compressor according to claim 4, **characterized in that** part of the outer circumferential edge portion of the first swash plate corresponding to the piston located at the bottom dead center position is provided with the inclined surface on a salient corner toward the second swash plate.

6. The compressor according to any one of claims 1 to 5, **characterized in that** the gas is refrigerant used in a refrigeration circuit, and carbon dioxide is used as the refrigerant.